

# Donald C Bolser

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4587161/publications.pdf>

Version: 2024-02-01

59  
papers

2,073  
citations

218592

26  
h-index

233338

45  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Expiratory Muscle Strength Training on Voluntary Cough and Swallow Function in Parkinson Disease. <i>Chest</i> , 2009, 135, 1301-1308.	0.4	259
2	Predicting Aspiration in Patients With Ischemic Stroke. <i>Chest</i> , 2009, 135, 769-777.	0.4	142
3	Cough Suppressant and Pharmacologic Protussive Therapy. <i>Chest</i> , 2006, 129, 238S-249S.	0.4	124
4	Voluntary Cough Production and Swallow Dysfunction in Parkinson's Disease. <i>Dysphagia</i> , 2008, 23, 297-301.	1.0	121
5	Neurogenesis of cough, other airway defensive behaviors and breathing: A holarchical system?. <i>Respiratory Physiology and Neurobiology</i> , 2006, 152, 255-265.	0.7	112
6	Central antitussive activity of the NK1 and NK2 tachykinin receptor antagonists, CP-99,994 and SR 48968, in the guinea-pig and cat. <i>British Journal of Pharmacology</i> , 1997, 121, 165-170.	2.7	111
7	Influence of central antitussive drugs on the cough motor pattern. <i>Journal of Applied Physiology</i> , 1999, 86, 1017-1024.	1.2	94
8	Functional Organization of the Central Cough Generation Mechanism. <i>Pulmonary Pharmacology and Therapeutics</i> , 2002, 15, 221-225.	1.1	85
9	Coordination of cough and swallow: A meta-behavioral response to aspiration. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 543-551.	0.7	67
10	Cervical spinal cord injury alters the pattern of breathing in anesthetized rats. <i>Journal of Applied Physiology</i> , 2001, 91, 2451-2458.	1.2	62
11	Codeine and cough: an ineffective gold standard. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2007, 7, 32-36.	1.1	56
12	Brainstem circuitry of tracheal-bronchial cough: c-fos study in anesthetized cats. <i>Respiratory Physiology and Neurobiology</i> , 2008, 160, 289-300.	0.7	55
13	Neuronal mechanisms underlying opioid-induced respiratory depression: our current understanding. <i>Journal of Neurophysiology</i> , 2021, 125, 1899-1919.	0.9	43
14	Blood pressure changes alter tracheobronchial cough: computational model of the respiratory-cough network and in vivo experiments in anesthetized cats. <i>Journal of Applied Physiology</i> , 2011, 111, 861-873.	1.2	42
15	Mechanisms of Action of Central and Peripheral Antitussive Drugs. <i>Pulmonary Pharmacology</i> , 1996, 9, 357-364.	0.5	41
16	Microinjection of codeine into the region of the caudal ventral respiratory column suppresses cough in anesthetized cats. <i>Journal of Applied Physiology</i> , 2010, 108, 858-865.	1.2	39
17	Anatomy and physiology of phrenic afferent neurons. <i>Journal of Neurophysiology</i> , 2017, 118, 2975-2990.	0.9	38
18	Microinjection of DLH into the region of the caudal ventral respiratory column in the cat: evidence for an endogenous cough-suppressant mechanism. <i>Journal of Applied Physiology</i> , 2007, 102, 1014-1021.	1.2	37

#	ARTICLE	IF	CITATIONS
19	Short reflex expirations (expiration reflexes) induced by mechanical stimulation of the trachea in anesthetized cats. <i>Cough</i> , 2008, 4, 1.	2.7	35
20	Central Neural Circuits for Coordination of Swallowing, Breathing, and Coughing. <i>Otolaryngologic Clinics of North America</i> , 2013, 46, 957-964.	0.5	31
21	Current and future centrally acting antitussives. <i>Respiratory Physiology and Neurobiology</i> , 2006, 152, 349-355.	0.7	30
22	Coordination of cough and swallow <i>in vivo</i> and <i>in silico</i> . <i>Experimental Physiology</i> , 2012, 97, 469-473.	0.9	30
23	Antitussive Action of Antihistamines Is Independent of Sedative and Ventilation Activity in the Guinea Pig. <i>Pharmacology</i> , 1998, 57, 57-64.	0.9	29
24	Volume-timing relationships during cough and resistive loading in the cat. <i>Journal of Applied Physiology</i> , 2000, 89, 785-790.	1.2	29
25	A Joint Computational Respiratory Neural Network-Biomechanical Model for Breathing and Airway Defensive Behaviors. <i>Frontiers in Physiology</i> , 2012, 3, 264.	1.3	28
26	Older-Generation Antihistamines and Cough Due to Upper Airway Cough Syndrome (UACS): Efficacy and Mechanism. <i>Lung</i> , 2008, 186, 74-77.	1.4	27
27	Role of the dorsal medulla in the neurogenesis of airway protection. <i>Pulmonary Pharmacology and Therapeutics</i> , 2015, 35, 105-110.	1.1	27
28	Experimental models and mechanisms of enhanced coughing. <i>Pulmonary Pharmacology and Therapeutics</i> , 2004, 17, 383-388.	1.1	20
29	Central Respiration and Mechanical Ventilation in the Gating of Swallow With Breathing. <i>Frontiers in Physiology</i> , 2018, 9, 785.	1.3	20
30	Recovery of airway protective behaviors after spinal cord injury. <i>Respiratory Physiology and Neurobiology</i> , 2009, 169, 150-156.	0.7	19
31	Pharmacologic Management of Cough. <i>Otolaryngologic Clinics of North America</i> , 2010, 43, 147-155.	0.5	19
32	Discharge Identity of Medullary Inspiratory Neurons is Altered during Repetitive Fictive Cough. <i>Frontiers in Physiology</i> , 2012, 3, 223.	1.3	17
33	Neurons in the dorsomedial medulla contribute to swallow pattern generation: Evidence of inspiratory activity during swallow. <i>PLoS ONE</i> , 2018, 13, e0199903.	1.1	17
34	Microinjection of kynurenic acid in the rostral nucleus of the tractus solitarius disrupts spatiotemporal aspects of mechanically induced tracheobronchial cough. <i>Journal of Neurophysiology</i> , 2017, 117, 2179-2187.	0.9	16
35	Treating Cough Due to Non-CF and CF Bronchiectasis With Nonpharmacological Airway Clearance. <i>Chest</i> , 2018, 153, 986-993.	0.4	16
36	Variability of the Pharyngeal Phase of Swallow in the Cat. <i>PLoS ONE</i> , 2014, 9, e106121.	1.1	15

#	ARTICLE	IF	CITATIONS
37	Feed-forward and reciprocal inhibition for gain and phase timing control in a computational model of repetitive cough. <i>Journal of Applied Physiology</i> , 2016, 121, 268-278.	1.2	15
38	Functional connectivity in raphé-pontomedullary circuits supports active suppression of breathing during hypocapnic apnea. <i>Journal of Neurophysiology</i> , 2015, 114, 2162-2186.	0.9	14
39	The Role of the Cerebellum in Control of Swallow: Evidence of Inspiratory Activity During Swallow. <i>Lung</i> , 2019, 197, 235-240.	1.4	13
40	The use of multiscale systems biology approaches to facilitate understanding of complex control systems for airway protection. <i>Current Opinion in Pharmacology</i> , 2011, 11, 272-277.	1.7	11
41	Transcutaneous electrical stimulation on the anterior neck region: The impact of pulse duration and frequency on maximum amplitude tolerance and perceived discomfort. <i>Journal of Oral Rehabilitation</i> , 2018, 45, 436-441.	1.3	11
42	Carotid chemoreceptors tune breathing via multipath routing: reticular chain and loop operations supported by parallel spike train correlations. <i>Journal of Neurophysiology</i> , 2018, 119, 700-722.	0.9	9
43	Role of the dorsomedial medulla in suppression of cough by codeine in cats. <i>Respiratory Physiology and Neurobiology</i> , 2017, 246, 59-66.	0.7	8
44	The Effects of Electrical Stimulation Pulse Duration on Lingual Palatal Pressure Measures During Swallowing in Healthy Older Adults. <i>Dysphagia</i> , 2019, 34, 529-539.	1.0	6
45	Transcutaneous Electrical Stimulation on the Submental Area: The Relations of Biopsychological Factors with Maximum Amplitude Tolerance and Perceived Discomfort Level. <i>Dysphagia</i> , 2020, 35, 301-307.	1.0	5
46	Swallow Motor Pattern Is Modulated by Fixed or Stochastic Alterations in Afferent Feedback. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 112.	1.0	5
47	The role of neuronal excitation and inhibition in the pre-Bötzinger complex on the cough reflex in the cat. <i>Journal of Neurophysiology</i> , 2022, 127, 267-278.	0.9	4
48	Respiratory-Swallow Pattern Following Total Laryngectomy. <i>Dysphagia</i> , 2020, 35, 321-327.	1.0	3
49	Differential effects of acute cerebellectomy on cough in spontaneously breathing cats. <i>PLoS ONE</i> , 2021, 16, e0253060.	1.1	3
50	Acute morphine blocks spinal respiratory motor plasticity via long-latency mechanisms that require toll-like receptor 4 signalling. <i>Journal of Physiology</i> , 2021, 599, 3771-3797.	1.3	3
51	Influence of intrathoracic vagotomy on the cough reflex in the anesthetized cat. <i>Respiratory Physiology and Neurobiology</i> , 2022, 296, 103805.	0.7	2
52	NEUROGENESIS OF AIRWAY PROTECTIVE BEHAVIORS IN THE CAT: COUGH AND PHARYNGEAL SWALLOW. <i>FASEB Journal</i> , 2009, 23, 1010.4.	0.2	2
53	Activity patterns of neurons in the caudal medial medulla are modulated during swallow in the cat. <i>FASEB Journal</i> , 2010, 24, 1064.5.	0.2	2
54	Persistent activity and interactions in the brainstem respiratory network during hyperventilatory apnea. <i>FASEB Journal</i> , 2013, 27, .	0.2	1

#	ARTICLE	IF	CITATIONS
55	Good things come in small packagesâ€¦ except after spinal injury. Journal of Physiology, 2020, 598, 4427-4428.	1.3	0
56	Gastric CO 2 output via the esophagus increases during systemic hypercapnia in anesthetized cat. FASEB Journal, 2012, 26, 894.21.	0.2	0
57	Cats that successfully vent gastric acidâ€¦derived CO 2 exhibit different muscle activation than those that do not (1178.13). FASEB Journal, 2014, 28, 1178.13.	0.2	0
58	Preliminary Phenotypic Cluster Analysis of Cardiorespiratory Modulated Neuronal Discharge Patterns with Dynamic Visualizations. FASEB Journal, 2018, 32, 893.5.	0.2	0
59	Modeling and simulation of vagal afferent input of the cough reflex. Respiratory Physiology and Neurobiology, 2022, 301, 103888.	0.7	0